

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000144

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B-007/005 H03F-001/32 H03G-001/04

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B-007/005 H03F-001/32 H03G-001/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms)

Questel Pluspat Delphion IEEE Xplore Canadian National Database
Keywords: (amplifier - predistortion - table - linear)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No(s).
X	US 5903611 (Schnabl et al.) 11 May, 1999 (11-05-1999) Abstract; Figure 1; Column 1, lines 19-66; Column 2, lines 6-22; Column 4, lines 1-27; Column 5, lines 31-45	1, 2, 4-8, 10
X	US 2004/0017257 (Kim) 29 Jan, 2004 (29-01-2004) Abstract; Figures 1, 6; Paragraphs [0007], [0008], [0016], [0029], Paragraphs [0031]-[0036], [0062]-[0065]	1-8, 10
P, X	US 2004/0179629 (Song et al.) 16 Sep, 2004 (16-09-2004) Abstract; Figure 2; Paragraphs [0007], [0032], [0054]-[0057]	1-8, 10

☒ Further documents are listed in the continuation of

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family

Date of the actual completion of the international search

07 March 2005 (07-03-2005)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
A	US 6600792 (Antonio et al.) 29 July, 2003 (29-07-2003) *The Whole Document*	1-10
A	US 2002/0186783 (Opas et al.) 12 Dec, 2002 (12-12-2002) *The Whole Document*	1-10
A	US 5937011 (Camey et al.) 10 Aug, 1999 (10-08-1999) *The Whole Document*	1-10
A	EP 1249931 (Price) 16 Oct, 2002 (16-10-2002) *The Whole Document*	1-10
A	US 6304140 (Thron et al.) 16 Oct, 2001 (16-10-2001) *The Whole Document*	1-10
A	US 6275685 (Wessel et al.) 14 Aug, 2001 (14-08-2001) *The Whole Document*	1-10
A	Chen et al. : "Joint Polynomial and Look Up Table Power Amplifier Linearization Scheme" IEEE Vehicular Technology Conference, vol. 2 25 April 2003, pages 1345-1349 Section I - Introduction Section II - System Models	1-10
A	Muhonen et al. : "Adaptive Baseband Predistortion Techniques for Amplifier Linearization" Conference record of the Thirty-third Asilomar Conference on Signals, Systems & Computers vol. 2 October 1999, pages 888-892 Section I - Introduction Section II - Transmitter Configuration	1-10

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